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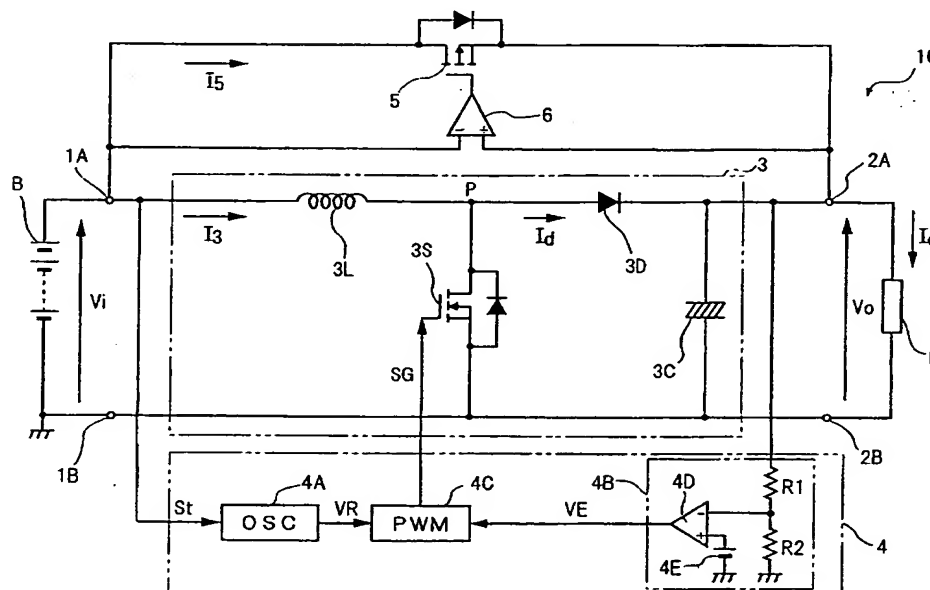
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(54) Title: DIRECT-CURRENT POWER SUPPLY AND BATTERY-POWERED ELECTRONIC APPARATUS EQUIPPED WITH THE POWER SUPPLY



(57) Abstract: A bypass control section (6) maintains a bypass switch (5) in the ON state during the period when a battery voltage (V_i) is higher than the output voltage (V_o) to an external load (L). Upon falling of the output voltage (V_o) at a desired voltage (E_T), a converter control section (4) starts switching control at once, and a step-up chopper (3) promptly starts boost operation. The bypass control section (6) maintains the bypass switch (5) in the ON state from the start of the boost operation of the step-up chopper (3) until the match between the battery voltage (V_i) and the output voltage (V_o).



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